Amendments to the claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An optical substrate comprising:

a surface comprising a prism structure characterized by a cross section having a curved facet described by the equation

$$z = \frac{cr^2}{1 + \sqrt{1 - (1 + k)c^2r^2}} + dr^2 + er^4 + fr^6,$$

wherein z is the perpendicular deviation of the surface of the facet of the prism from a straight line originating at a first reference point and terminating at a second reference point and the coefficients of the polynomial lie within the following approximate ranges: -20 < c < 20; -10 < d < 10; -10 < e < 10; -10 < f < 10 and -1 < k is less than or equal to zero and where r the distance along the straight line from the first reference point, wherein the prism structure comprises a plurality of prisms having a prescribed peak angle, α , a height, h, a length, l, and a pitch, p, and the plurality of prisms include at least a pseudorandom peak angle, α , height, h, length, l, or pitch, p.

2-3. (Cancelled)

- 4. (Previously Presented) The optical substrate as set forth in Claim 1 wherein a peak angle of the prism is greater than 90 degrees and less than 105 degrees and the refractive index of the substrate is between approximately 1.65 and 1.8.
- 5. (Original) The optical substrate as set forth in Claim 4 wherein the peak angle is 100 degrees.
 - 6. (Currently Amended) An optical substrate comprising:

a surface comprising a prism structure characterized by a peak angle of greater than [[90]] 100 degrees and less than 105 degrees and a refractive index of between approximately 1.65 and 1.8.

- 7. (Cancelled).
- 8. (Currently Amended) A backlight display device comprising: an optical source for generating light;
- a light guide for guiding the light therealong including a reflective device positioned along the light guide for reflecting the light out of the light guide;

an optical substrate receptive of the light from the reflective device, the optical substrate comprising:

a first surface and a second surface opposing the first surface, the first surface arranged closer to the light guide than the second surface, the second surface comprising a prism structure characterized by a cross section having a curved facet, wherein a peak angle of the prism is greater than [[90]] 100 degrees and less than 105 degrees and the refractive index of the substrate is between approximately 1.65 and 1.8.

- 9. (Original) The backlight display device as set forth in Claim 8 wherein the curved facet is described by a segment of a polynomial function.
- 10. (Previously Presented) The backlight display device as set forth in Claim 8 wherein the segment of the polynomial function is described by the equation

$$z = \frac{cr^2}{1 + \sqrt{1 - (1 + k)c^2r^2}} + dr^2 + er^4 + fr^6,$$

wherein z is the perpendicular deviation of the surface of the facet of the prism from a straight line originating at a first reference point and terminating at a second reference point and the coefficients of the polynomial lie within the following approximate ranges: -20 < c < 20; -10 < d < 10; -10 < e < 10; -10 < f < 10 and -1 < k is less than or equal to zero and where r is the distance along the straight line from the first reference point.

11. (Canceled).

- 12. (Previously Presented) The backlight display device as set forth in Claim 8 wherein the peak angle is 100 degrees.
- 13. (Previously Presented) The backlight display device as set forth in Claim 8 wherein the optical substrate is formed with an optically transparent material.
- 14. (Original) The backlight display device as set forth in Claim 10 wherein the optical substrate is formed with an optically transparent material with an index of refraction of approximately 1.75.
 - 15. (Currently Amended) An optical substrate comprising:

a surface comprising a prism structure characterized by a cross section having a plurality of facets including a first facet oriented at a first angle with respect to the surface of the prism and a second facet oriented at a second angle with respect to the surface of the prism;

wherein the first and second facets intersect at one side of a centerline of the prism and the first and second angles are different, and

wherein a peak angle of the prism structure is greater than [[90]] 100 degrees and less than 105 degrees, and the refractive index of the substrate is between approximately 1.65 and 1.8.

16 -17. (Cancelled)

- 18. (Original) The optical substrate as set forth in Claim 1 wherein the prism structure is an ultraviolet curable organic or inorganic material.
- 19. (Original) The optical substrate as set forth in Claim 6 wherein the prism structure is an ultraviolet curable organic or inorganic material.
- 20. (Original) The backlight display device as set forth in Claim 8 wherein the prism structure is an ultraviolet curable organic or inorganic material.

- 21. (Original) The optical substrate as set forth in Claim 15 wherein the prism structure is an ultraviolet curable organic or inorganic material.
- 22. (Original) The optical substrate as set forth in Claim 1 wherein the prism structure includes a peak angle of greater than approximately 94 degrees and wherein c, d, e, f, and k are approximately equal to zero.
- 23. (Original) The optical substrate as set forth in Claim 1 wherein the equation for z includes higher order terms in r defined by the summation $\sum_{i=1}^{N} a_i r^i$ where ai are coefficients and N is an integer.
- 24. (Original) The optical substrate as set forth in Claim 10 wherein the prism structure includes a peak angle of greater than approximately 94 degrees and wherein c, d, e, f, and k are approximately equal to zero.
- 25. (Original) The optical substrate as set forth in Claim 10 wherein the equation for z includes higher order terms in r defined by the summation $\sum_{i=1}^{N} a_i r^i$ where ai are coefficients and N is an integer.

26-29. (Cancelled)